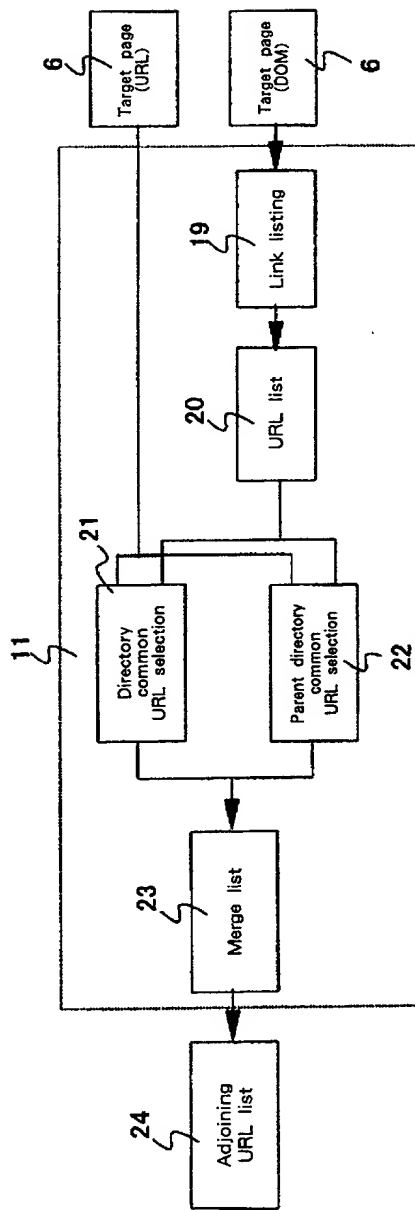


Fig. 1





**Fig. 3**

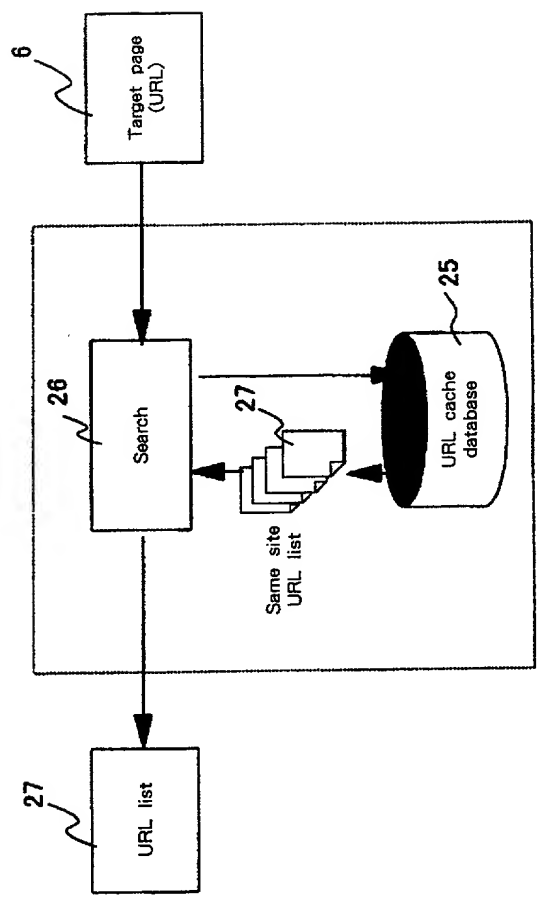


Fig. 4

FIG. 5 is a block diagram of a system for generating a priority ordered URL list. The system includes a target page (URL) 6, which is input to a URL relevance calculation block 30. The URL relevance calculation block 30 is connected to a URL cross-reference table 34 and a URL co-occurrence table 33. The URL relevance calculation block 30 is also connected to a URL edit distance calculation block 29. The URL edit distance calculation block 29 is connected to a same page exclusion block 28. The same page exclusion block 28 is connected to a redirection URL table 32. The URL relevance calculation block 30 is also connected to a sort block 31. The sort block 31 is connected to a priority ordered URL list 35. The system also includes an adjoining URL listing 11, a directory listing 12, and a URL cache 13. The adjoining URL listing 11 and the directory listing 12 are connected to the URL relevance calculation block 30. The URL cache 13 is connected to the URL edit distance calculation block 29.

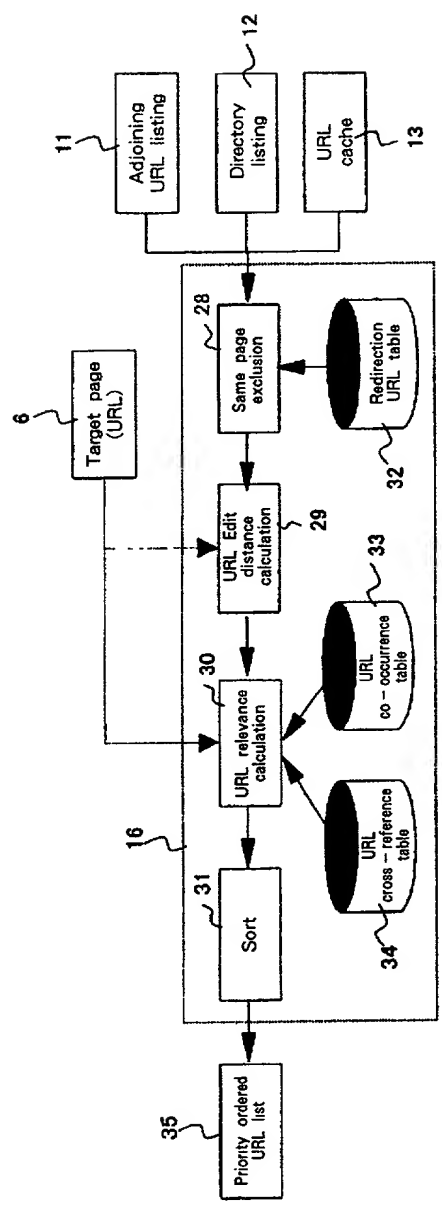


Fig. 5

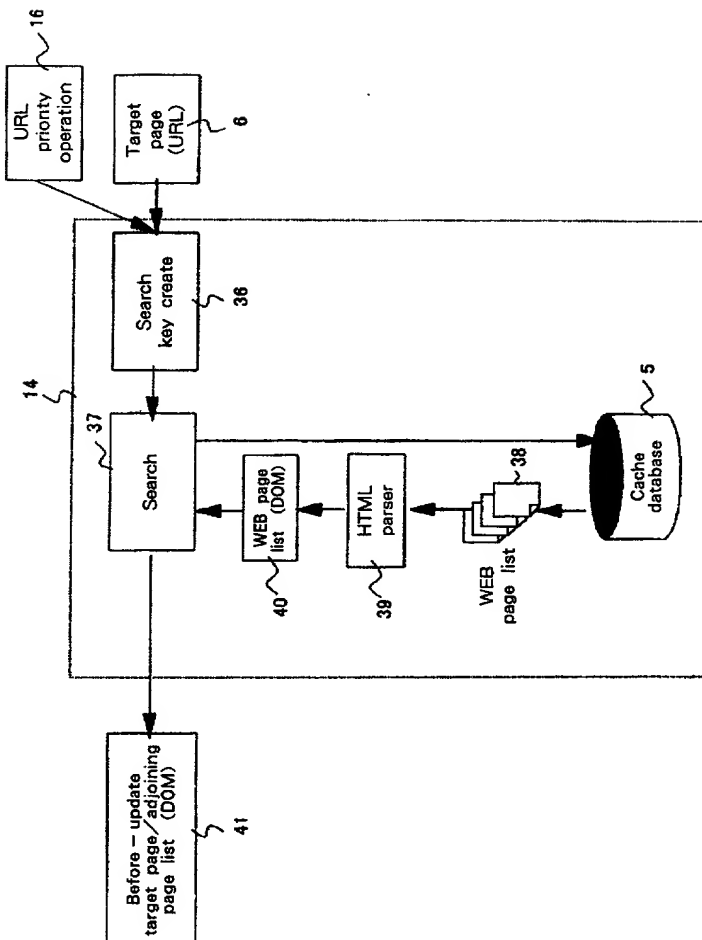


Fig. 6

FIG. 7 is a block diagram of a system for processing a web page. The system includes a web server (3) and a client (4). The client (4) sends an HTTP request (15) to the web server (3). The web server (3) returns an HTML file (45) to the client (4). The client (4) then sends the HTML file (45) to a download module (42). The download module (42) sends the HTML file (45) to an HTML parser (43). The HTML parser (43) sends the HTML file (45) to a DOM (46). The HTML parser (43) also sends the HTML file (45) to a URL cross-reference table (34) and a URL occurrence table (33). The URL cross-reference table (34) and the URL occurrence table (33) are connected to a redirection URL table (32).

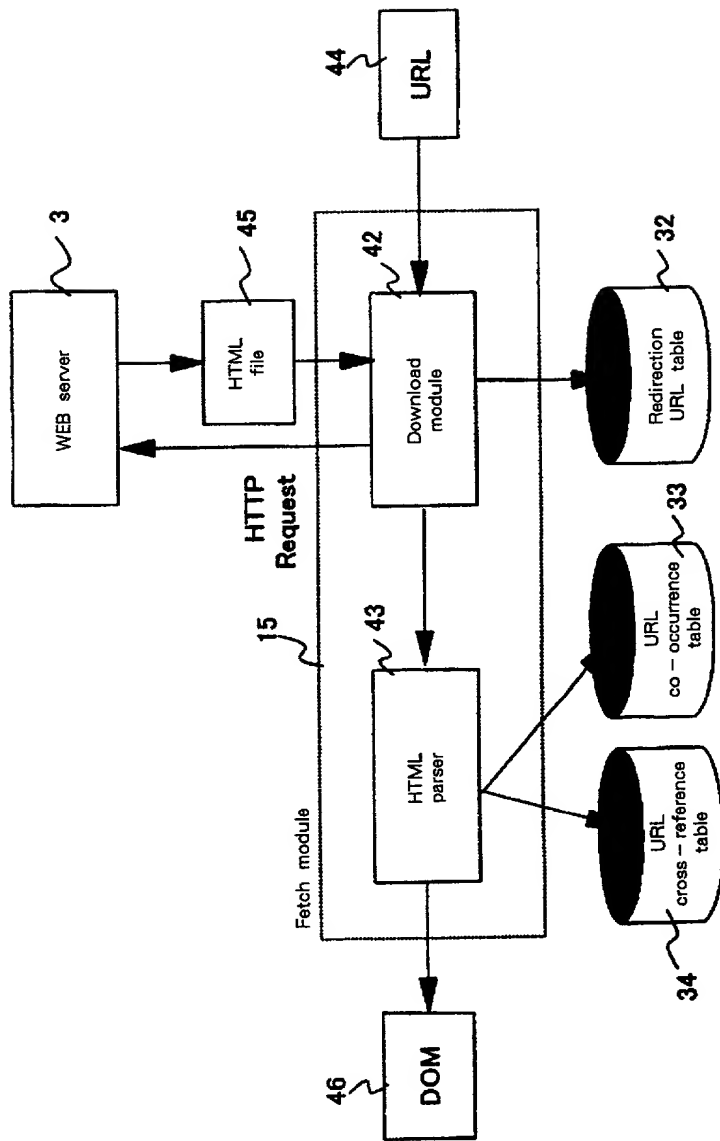


Fig. 7

FIG. 8 is a block diagram of a system 17 for generating a difference page (DOM) 55 from a target page (DOM) 6 and a comparative page (DOM). The system 17 includes a significance calculation module 52, a node list module 48, a DP matching module 50, a common node list module 51, a common node delete module 53, a cleanup module 54, and a difference page (DOM) module 55. The target page (DOM) 6 and comparative page (DOM) are input to the significance calculation module 52. The significance calculation module 52 outputs to the node list module 48 and the DP matching module 50. The node list module 48 outputs to the DP matching module 50. The DP matching module 50 outputs to the common node list module 51. The common node list module 51 outputs to the common node delete module 53. The common node delete module 53 outputs to the cleanup module 54. The cleanup module 54 outputs to the difference page (DOM) module 55.

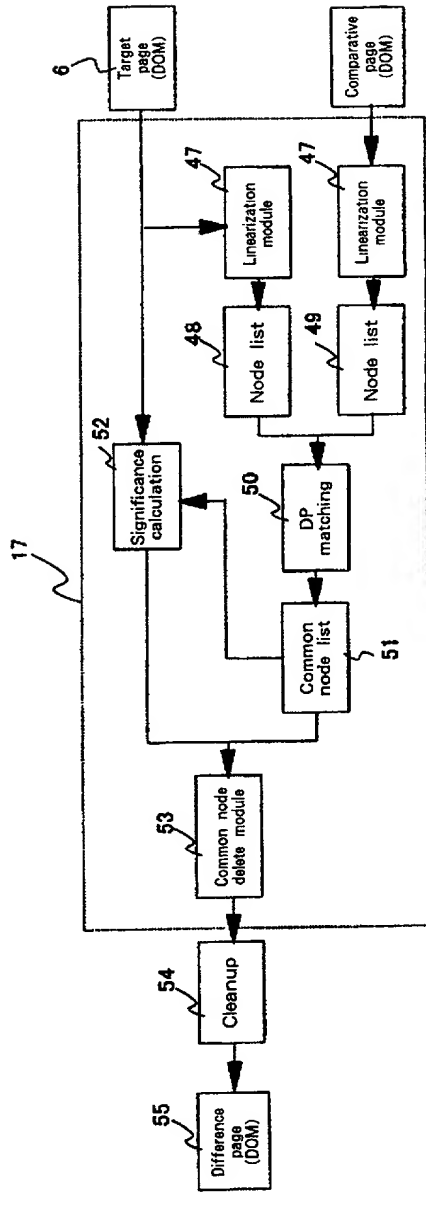


Fig. 8



Fig. 9

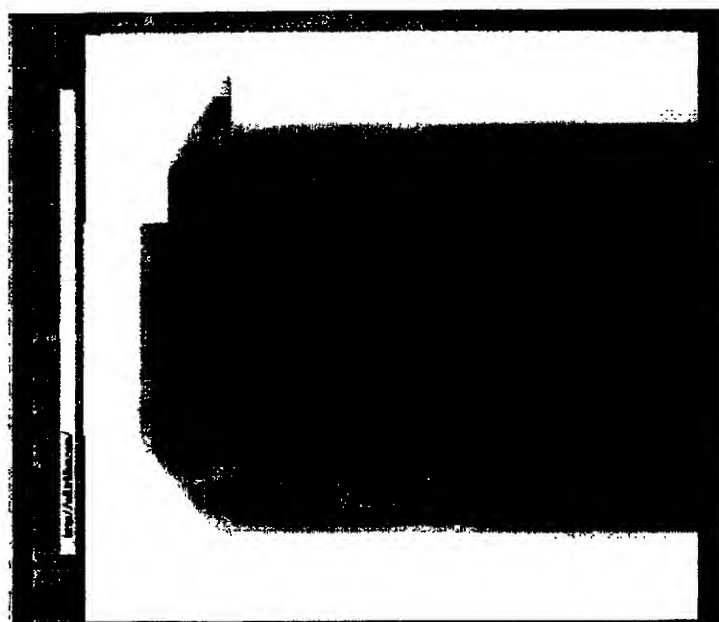


Fig. 9

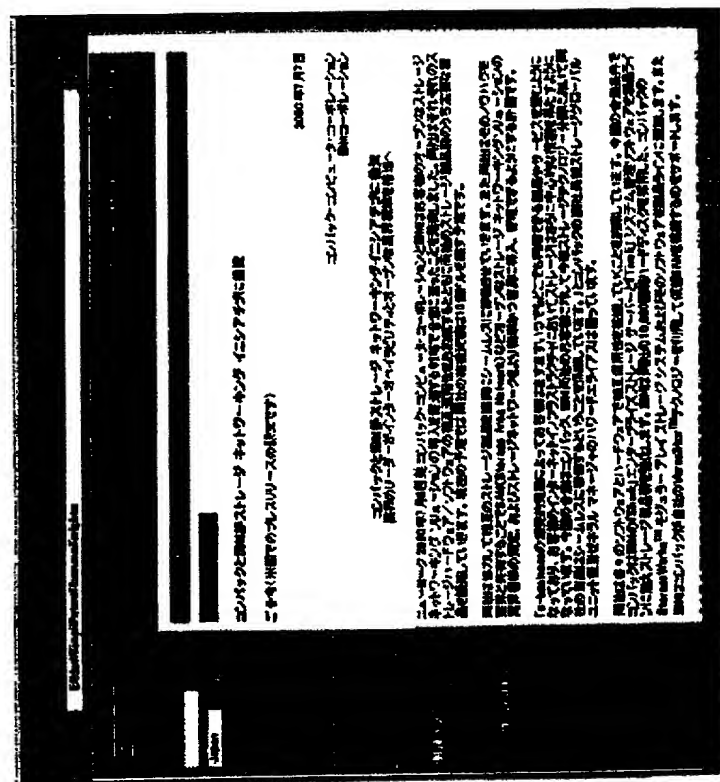
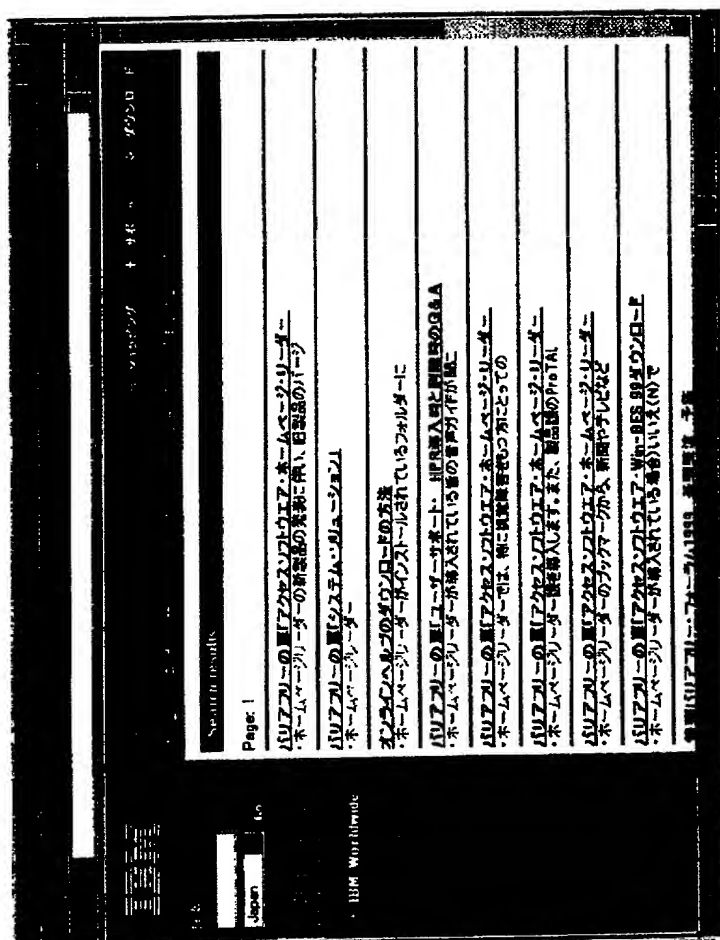


Fig. 10





**Fig. 12**

ポームベージリーダーのブックマークから、新聞やテレビなど

US 2004/0172000 A1

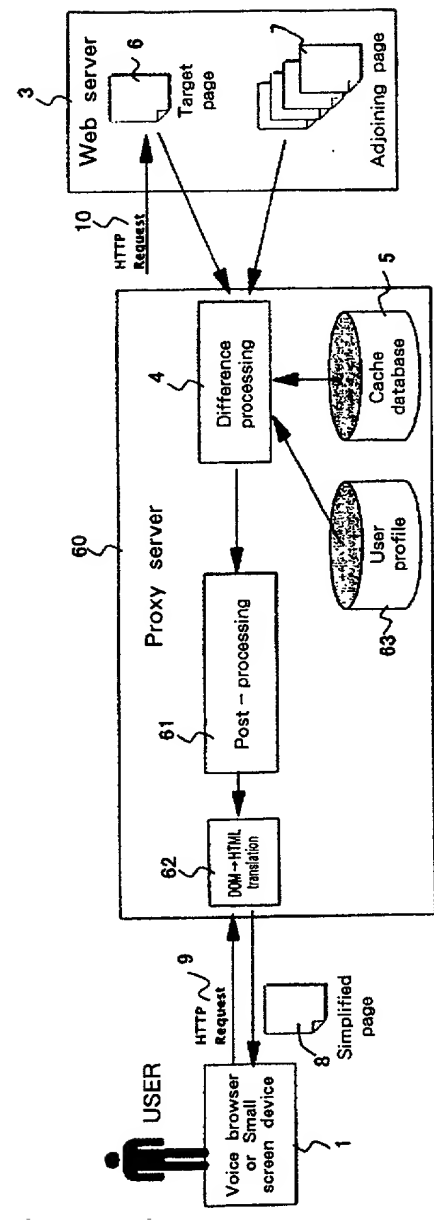


Fig. 14

FIG. 15 is a flowchart illustrating a process for generating a difference page (HTML) from a target page (DOM) and a difference page (DOM).

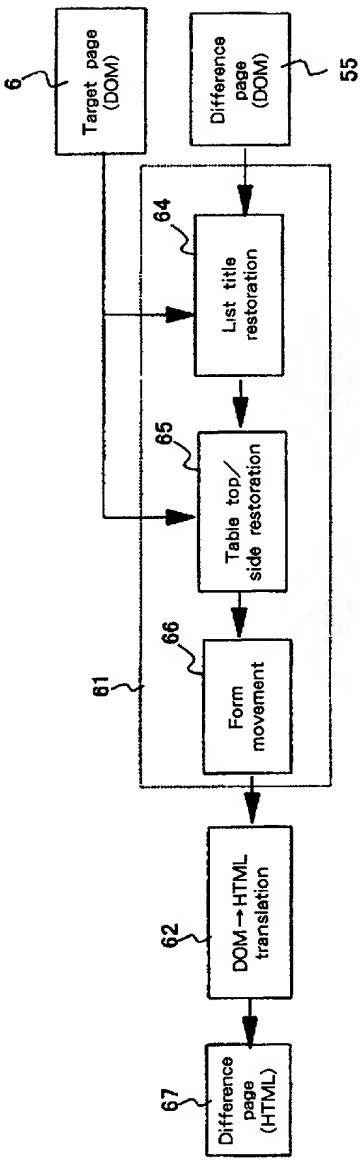


Fig. 15

- (a)  
Other news of the same genre
- Semiconductor manufacturers actively investing in prospect of increased digital demand (14 : 15)
  - Japan's Solar battery production No. 1 in the world beyond US (12 : 50)
  - Unification of business accounting rules, Japan fears initiative of the US and Europe (11 : 12)
  - Tax and utility bill payments enabled with TEL and Network (23 : 37)
  - ITNet starts cheap service targeting school from May (20 : 24)
  - Renault, France takes over Samsung Automobile (13 : 33)
- (b)
- Semiconductor manufacturers actively investing in prospect of increased digital demand (14 : 15)
  - Unification of business accounting rules, Japan fears initiative of the US and Europe (11 : 12)
- (c)  
Other news of the same genre
- Semiconductor manufacturers actively investing in prospect of increased digital demand (14 : 15)
  - Unification of business accounting rules, Japan fears initiative of the US and Europe (11 : 12)

Fig. 16



(a)

Jump to Form6 emailform	<b>Last from</b>  April 22,
Jump to Form7 pathfinder	

(b)

Keyword
<input type="text"/>
<b>go!</b>
Search
<input type="text" value="CNN.com"/>
<b>Find</b>

Fig. 17

FIG. 18 is a block diagram of a system for processing a request for a target page from a user device. The system includes a user device (1) that sends an HTTP request (9) to a proxy server (70). The proxy server (70) includes a DOM-to-HTML translation module (62), a post-processing module (61), a post-processing for annotation module (71), a difference processing module (4), and a cache database (5). The proxy server (70) also includes an annotation database (72) and an annotation server (73). The proxy server (70) sends an HTTP request (10) to a web server (3) which provides a target page (6) and an adjoining page (7). The proxy server (70) also sends a simplified page (8) to the user device (1).

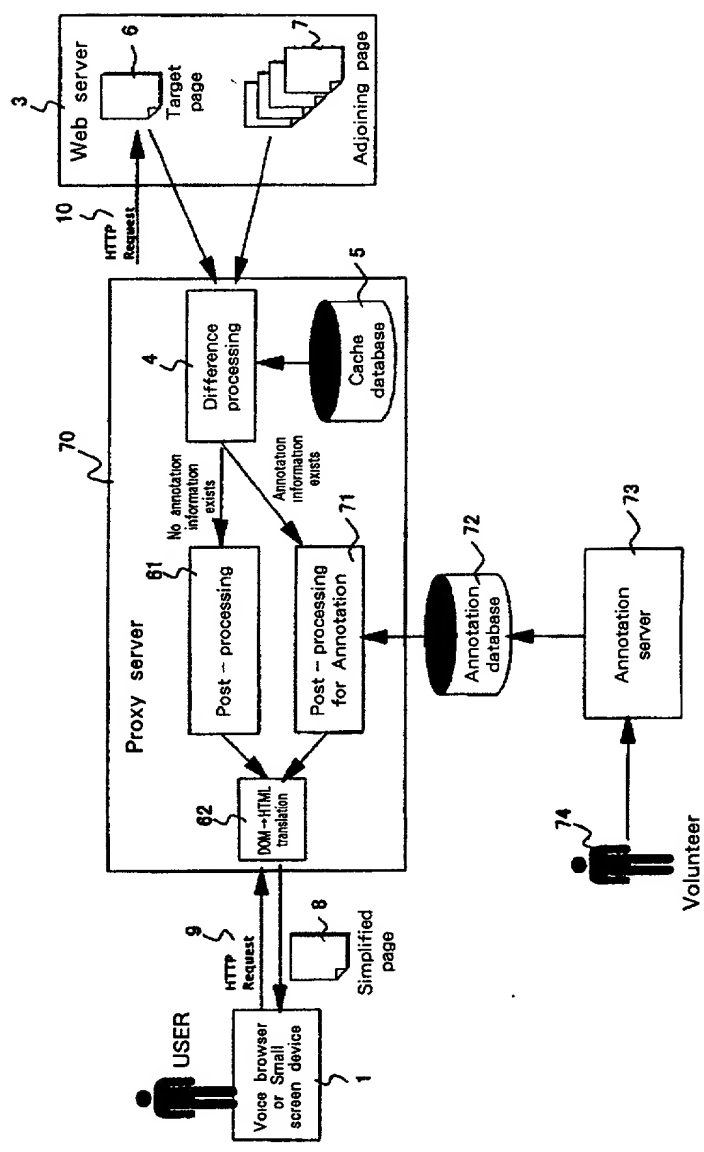


Fig. 18

US 2017/0100000 A1  
FIG. 19  
FIG. 19 is a flowchart illustrating a process for generating a difference page (HTML) from a target page (DOM) and a difference page (DOM). The process starts with a target page (DOM) (6) and a difference page (DOM) (55). The target page (DOM) (6) is processed by a difference marking portion (75) to generate a difference page (DOM) (55). The difference page (DOM) (55) is then processed by a group division and group selection (76) to generate a difference page (DOM) (55). The difference page (DOM) (55) is then processed by a group rearrangement (77) to generate a difference page (DOM) (55). The difference page (DOM) (55) is then processed by a DOM → HTML translation (62) to generate a difference page (HTML) (8). The difference page (HTML) (8) is then processed by an annotation information (72) to generate a difference page (HTML) (8).

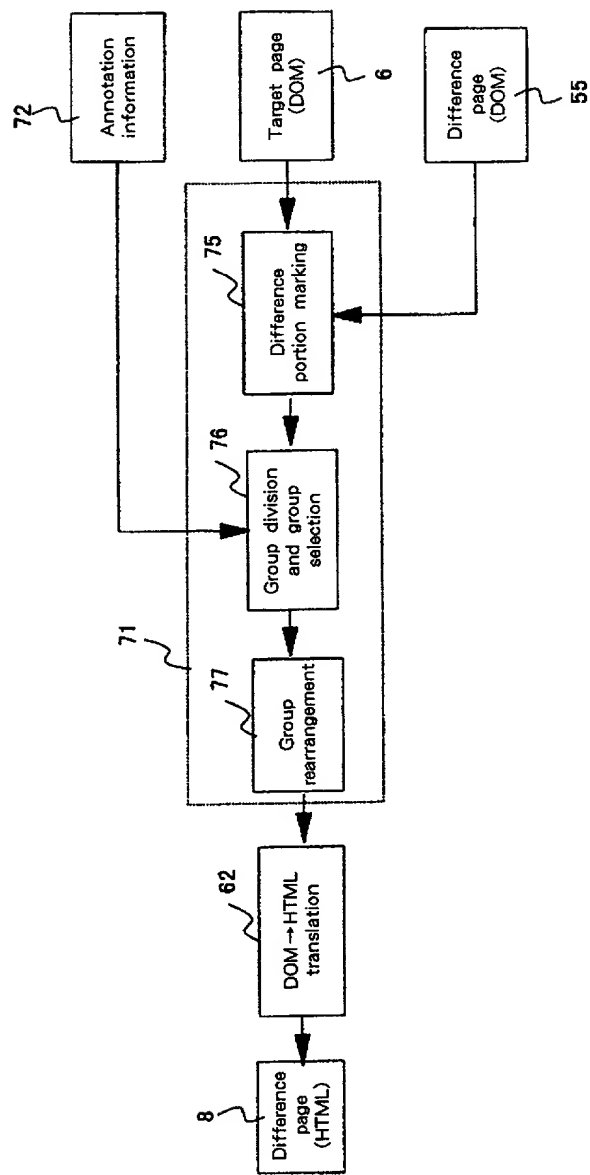


Fig. 19

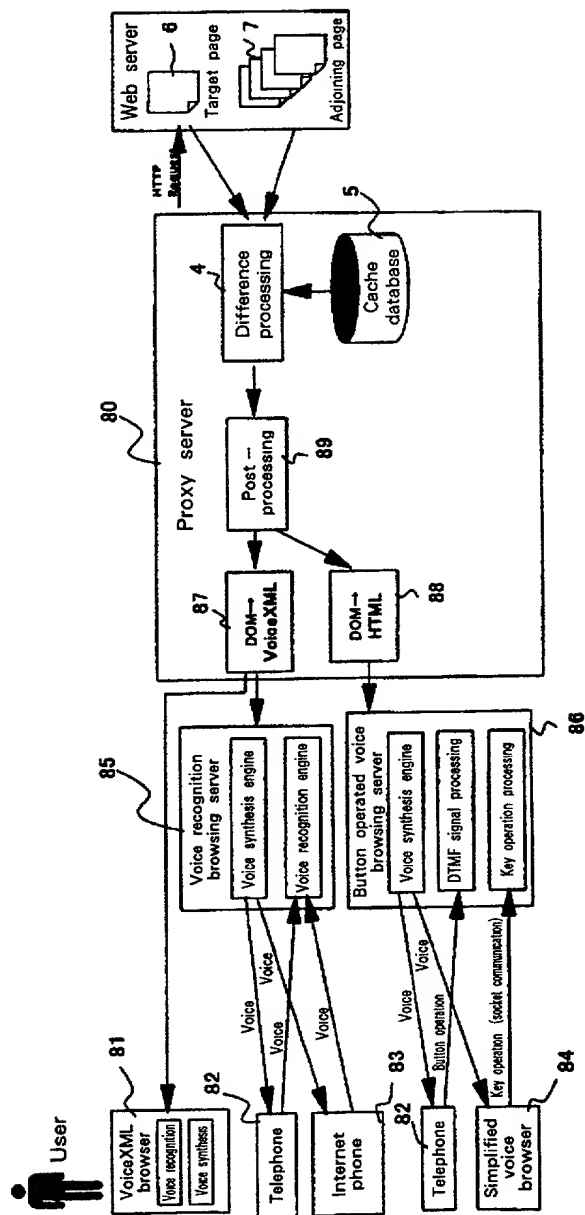


Fig. 20

FIG. 21 is a block diagram of a client PC system for reading aloud information. The system includes a user, a monitor (94), a keyboard or trackball (95), and a Client PC. The Client PC contains a Voice Browser, which includes a Parsing/analysis module (90), a Read aloud control module (92), and a Voice synthesis engine (93). The Voice Browser also receives Read aloud information (91). The system is connected to an HTTP Request and an HTML document.

FIG. 21 is a block diagram of a client PC system for reading aloud information.

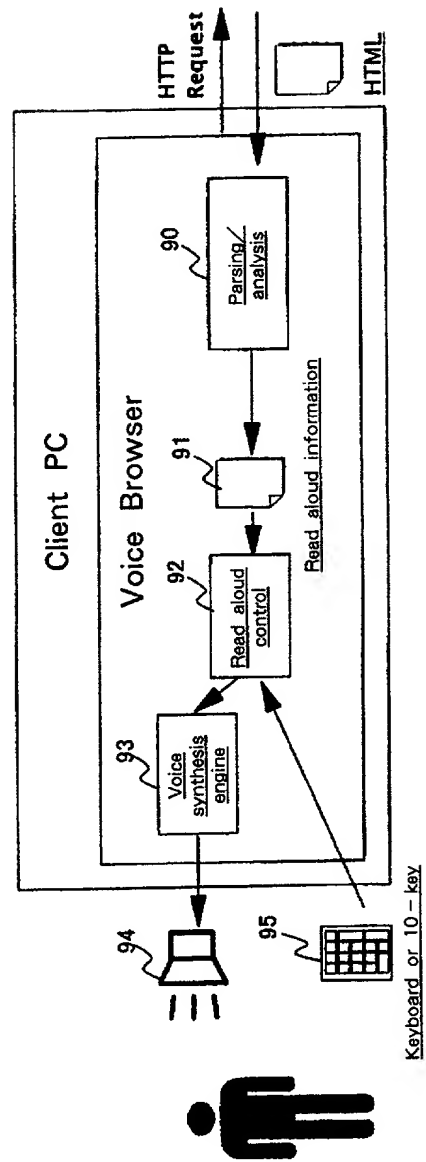


Fig. 21

the first and second pages of the document are compared to generate a difference page (DOM). The difference page (DOM) is then processed to generate a restored difference page (DOM). The restored difference page (DOM) is then processed to generate a difference page (VoiceXML).

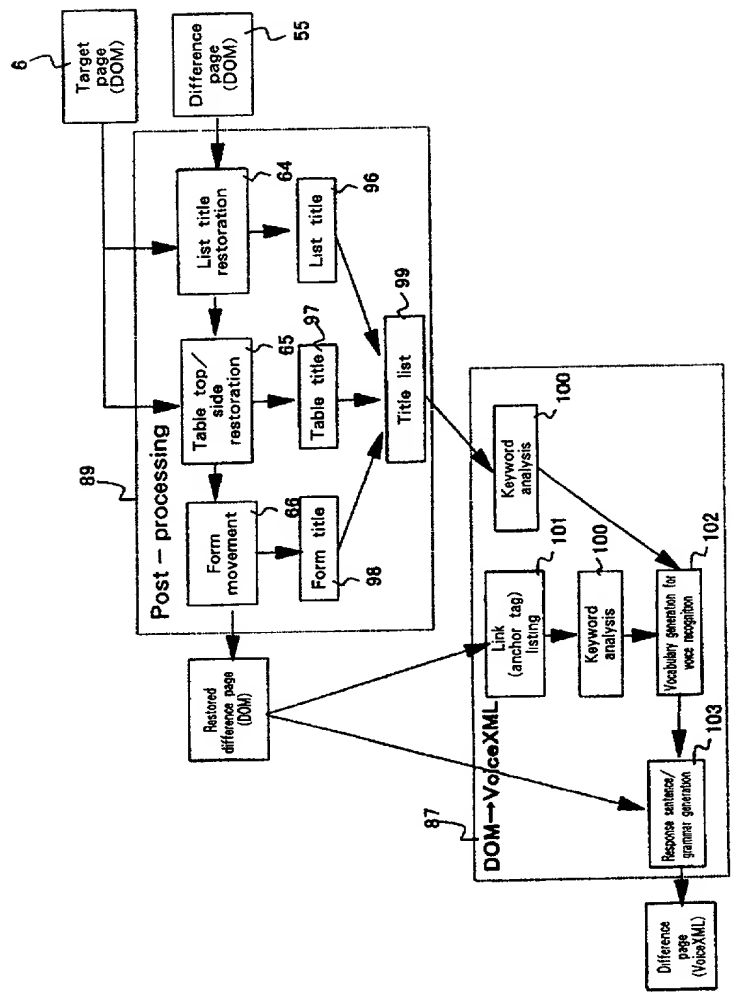


Fig. 22